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**ASH GROVE CEMENT COMPANY**

**SEATTLE PLANT**

**WASTE REDUCTION / WASTE MINIMIZATION**

**1997**

**Team Committed to Safety, Quality, Customer and Community.**

**USEPA SF**



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**ASH GROVE CEMENT COMPANY**  
**Seattle Plant**  
**WASTE REDUCTION / WASTE MINIMIZATION**  
**1997**

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### **DUST AND DIRT**

Material of this type will be returned to the process via the appropriate process stream. Depending on the material, clean up may be placed in the limestone stockpile, clinker shed or elsewhere as directed.

### **PAPER and PLASTICS,**

These waste products are recycled through a program with the current waste disposal company.

**Paper products:** magazines, junk mail, envelopes, newspaper, flyers brochures, writing, typing and computer paper, and books

Items not acceptable: Wet , waxed or soiled paper, used paper towels and plates.

**Cardboard items:** corrugated boxes, paper tubes, wrapping paper, cereal boxes, file folders, and poster board with plastic, and all styrofoam packing material removed.

Items not acceptable: Wet, soiled or waxed cardboard, waxed coated beverage containers.

**Tin and aluminum cans** that are emptied, rinsed, and with labels removed.

Items not acceptable: Cans used for aerosol spray, chemicals or paint. Appliances, power tools or batteries.

**Plastics:** emptied and rinsed soft drink, milk, juice and distilled water containers.

### **FOOD WASTES**

Food wastes will be placed and stored in their designated covered receptacles until they are taken to the waste dumpster for disposal by the current disposal company.

### **WOOD**

Clean wood wastes or that which has not been chemically impregnated may be placed in a special dumpster designate for recycling wood. This category includes broken pallets or other similar wood products.

Other wood waste not able to be recycled will be placed in the normal trash receptacle for non recyclable waste. For large quantities of wood not suitable for recycling, advise the waste disposal company of the amount before placing it in the waste dumpster.

### **STEEL AND SCRAP METAL**

Steel and scrap metal wastes are recycled to an acceptable metal recycler. Currently, Block Steel Co provided a dumpster for the collection of this waste stream.

## **USED OIL**

Lubricating oils at the Seattle Plant do not contain mixtures that result in generating a hazardous waste and care must be taken to prevent contamination with another product.. These oils can be incinerated in the kiln when determined to meet spec oil or non hazardous criteria. Used oils can also be reused as lubricants as needed.

Used uncontaminated oil may be collected and placed in the used oil storage tanks for reuse in the onsite program. These tanks are kept locked to prevent depositing unwanted material and contaminated oil into the tanks. Tank storage are under the control of the PM maintenance department. Oils and lubricants considered as a replacement for existing products must be examined for components that would result in generating a hazardous waste.

Oils where the type, origin or use is unknown are placed in a container labeled as to the point of generation , date and department placing the material in storage in the old raw mill for testing. The Safety and Environment Department is to be notified. Test results will determine further handling.

## **OILY WASTES**

This category includes oil filters, greasy or oily rags, oil and grease drums floor dry oil absorbent. and aerosol spray cans.

### **Oil Filters**

Used oil filters are not considered hazardous waste except for those terne-plated (alloy of tin and lead). The filters are first punctured and drained for at least 24 hours. Once these filters have been drained they should be crushed and then disposed of in the trash dumpster. The oil drained from the filter is to be collected and reused onsite if possible.

### **Oily Rags**

Rags used and soiled with oil or grease products are collected in the cans in the shop and are cleaned by Overall Laundry Co. for reuse.

### **Oil and Grease Drums**

Drums containing these products are returned to the supplier whenever possible. If not possible, the empty drum may be recycle through a drum Seattle Barrel (622 -7218) a reconditioning company or it may be placed in the trash dumpster.

Empty containers are not considered hazardous. A container is considered empty if there is either has less than one inch or no more than one percent of the total capacity left.

### **Absorbent Material**

Most absorbents containing uncontaminated oil can be packaged and incinerated in the kiln.

Before disposal the type quantity must be recorded by the Safety and Environmental

Manager Most absorbents containing uncontaminated oil can be placed in the dumpster provided they do not contain oil contaminated with a hazardous substance or free liquids.

Absorbent contaminated with a hazardous substance must be managed as a hazardous waste.

### **AEROSOL CANS**

An aerosol can is considered empty if it did not contain an acutely hazardous material (defined by WAC 173-303-040) and the material within the container has been discharged as designed. Empty containers may be disposed in the garbage. If the propellant has been prematurely discharged or the nozzle is broken off and the material remains in the can, the product/can may be considered a hazardous waste. Cans that contained acutely hazardous materials are regulated as a hazardous waste.

### **SPENT ANTIFREEZE**

Antifreeze used in mobile equipment is collected when spent by the equipment servicing company for recycling. Spent antifreeze generated by other means is to be collected in closed containers labeled as spent antifreeze specifying product name and manufacturer, date and department placing the material in storage. The waste is labeled and stored in the old raw mill for testing and the Safety and Environment Department is notified. This material will be recycled to an off site recycler.

### **LABORATORY WASTE**

Acid and basic solution are neutralized before being put into the sewer system. Bottles are triple rinsed and recycled through the waste service company recycling program.

### **NON-HAZARDOUS WASTE SOLVENTS**

The product SKYSOL is used for parts washing in the shop. This product contains ingredients which would result in the generation of a hazardous waste. Filters used by the solvent tank are when replaced, drained and disposed of in the trash dumpster.

### **HAZARDOUS WASTE SOLVENTS**

It is our policy to eliminate the use of any chlorinated solvent at our facility. Should residuals of this material be found, it is to be placed in a appropriate container labeled as to content. The Safety and Environment Department is to be notified to arrange shipping and management of the material to an approved hazardous waste or recycling facility.

### **WASTE WATER**

Process and cooling water is recycled on site. Sewer and storm water is discharged to the METRO combined sewer following oil /water separation and solids sedimentation. Water discharge is permitted under Waste Discharge Authorization Number 296. Materials prohibited in the discharge include: oils and greases, flammable liquids or materials.